1879!
Rnw 1942

San Antonio
Texas Sep 25

Prof Putnam

My Dear Sir

I have delayed writing again untill I could present some comprehensive plan of opperation.

It has now become cooler and dainger of yellow feaver and epidemic small pox raging about has lessoned so on the 27 will leave this place having found but slight traces of ancient Indian occupation though have gone over a wide scope of country which is not adabted for Indian

section that furnished the stone impliments for the rest of the State.

Hope to be successful in Exploring the places before mentioned as they are reported to contain mounds and are in the wooded section with streams of water are accessable and I have letters to parties living there, It is now cooler so can work to advantage. If you could have funds ready for the mexican trip by the time I finish in Texas say December by which time hope to get together the botanical funds. My Regards to Miss Smith and all your children, hope your heatth is restored and that the Saratoga

occupency. My plans are these, and I do not see that any more fessable ones could be formed. I go from here in two days to New. Braunfelt — then to Austin important places and told for ruins, then to Longview section after which will work towards Indianola then take the steamer from that place for Matamoras Mexico so as to get into Northern Mexico. after finishing in that section return to Texas by way of Ellpasso so as to Explore Northern Texas This is I hope plain comprehensive plan

and I hope can be carried out. As it covers not only that portion of Texas likely to contain mounds but takes in the Northern States of Mexico — I have procured a letter from a gentleman that lived a long time in Mexico near the celebrated Caves mentioned by Bancroft that contain so many human remains, herd of this cave while in mexico now having a letter to the owner of the Caves which can be reached this letter is of great value.

The section about San Antoni has proved unprofitable for Indian remains but there is every reason to beleive that it was the

places proposed to visit - Indianola may be a good place for shell heaps as it is on the ocean have a letter to a gentleman living there - It will be a good place to start from for Mexico and returning so as to visit the Rio Grande about El passo - and the country about fort Concho northern Texas which is said to contain mounds hope my plan meets your approbation -

very truly yours

Edwar Palmer

you had better direct to me at Longview Texas then it will not miss me.

meeting was a success
Though I have not sent you any thing yet it is because the San Antonio section yielded nothing ~~and~~ the hot weather and fear of yellow fever with Epidemic Small pox so prevelent has caused me to stay hear untill now that the cool season is setting in and I go to the profitable field of Texas for Indian mounds if there is sutch to be found be asured I will hunt them out ~~if to be found~~ and do my best to get the treasures and let you know the result at once
Have possitive proof of mounds in many of the

Saltillo Mexico March 21-1880

Prof Sereno Watson
or G. L. Goodale

Gentlemen

I write to say that ~~thus~~ far my journey has been successfully performed. I sent from Monteray 3 packages of plants by mail which I hope will arrive safe that they may be at once planted.

Before leaving Monterey I turned over for shipment to Matamores in care of A. M. Erhard a merchant of that place four boxes two containing live plants and two botanical specimens

This letter is addressed to boath so that in case one is absent the other can open the letter and care for the plants on their arrivel.

The live plans consist of many fine varieties of Cacti. some plants of a long smooth elastic leafed agave not seen by me befor the leaf cut like rubber. there is also several plants of various sizes of that new supurb Agave Victori regia one full grown and that will I think bloom this summer as it so show signs. It is the finest of all agaves for cultivation. ~~It~~ grows in elevated dry gravelly ridges, by putting this plant in a large pot or tub and plunging in the ground this summer should it bloom late could be taken in the green house to mature its flowers and seeds, In one of the boxes of dried plants (the small one) is to be found a small package marked for Prof Allen of the Museum of Comparative Zoology. there is also a box marked for Dr. Engelmann please put this in another box and send to him. as it is now not very strong & its contents valuable. You

will find a box marked Seeds botanical Garden
among them will be found a large paper of seeds of
that new Agave so marked. in the same box
is some leaves containing scale bugs and there is
some butterfly cacoons please give these to Mr
Hagan of the Museum of Comparative Zoology
There is one package marked my own private
property please put this safe aside untill my
return. You can tell the boxes of dry plants as
they are the newest, one the smallest the other
the longest. Commence near at once go out to the
to the Mountains to morrow have a prospect
of sending you another shipment from this
place befor leaving ~~this place~~ which will be in
a month I go next to Parras Estada Coahuila
Mexico. to which place address me should you
desire to do so. and it will be my pleasure to hear
from you. My best wishes to you both and
to Prof Gray and Farlow. Allow me to remain

Yours truly

Edward Palmer.

P. S. the Boxes will be shipped from Matamores
either to Galveston or to New Orleans thence
by rail so give direction to Sawins Express
to look out for them by the different lines of
freight. Yours E. P.

Saltillo Mexico
Ap 19 - 1880

Prof Watson or Goodale

I write to say that I have this day turned over for shipment to the Botanical Garden one large box, the lower half of which is dried plants woods &c please put them with the other part of my Collection. if the bundles are not sufficiently tight please tighten them. there is a package for Prof Allen please send it over to him - a small package of my own take care of it. the ~~lower part of~~ upper part of the box contain live plants a nice assortment hope they will arrive safe and grow

This is so dry a section
though surrounded by mountains
that but few plant are in bloom
In July the rainey season com-
mences then there will be many
choice thing to be had, so I shall
leave this place to morrow for
Parras a county not depending
upon rains returning hear in
July after finishing will go to the
mountains that surround Mon-
terray and Monteclover return-
ing into Texas in October to col-
lect about Fort Clark a
fine locality. I cannot write
more a bad finger prevent. cactus
spine run in to the bone. inclosed
is a package of seed belonging to the
last plants sent by mail.

My best wishes to you all
Yours truly
Edward Palmer.

UNION POSTALE UNIVERSELLE
MEXIQUE.
UNION POSTAL UNIVERSAL MEXICO.

To the
Director of the Botanical Garden
Cambridge
E. U. del Norte. Mass.

FRANCO EN
VILLA
DE S. PEDRO

RECD. IN BOSTON MASS.
JUN 11
3 PM

Por este lado solo debe
escribirse la dirección

San Pedro Mexico May 21 (1880)

I send by mail a package of fern leaves which may have spores for planting and a package of roots from a very interesting plant for border cultivation. Will return to Saltillo in a few days. It is so dry in this section one hundred miles S. W. from Parras that have found but little in the plant line.

Yours truly

Edward Palmer

San Antonio Texas
Oct 15

Dear Sir

I reached hear a few days since

As you will see by bill of Lading four boxes of plants have been shipped marked Botanical Garden Cambridge Mass. The three boxes closed up please retain unopened untill my return The long box with flat top & bottom you can open sufficient to take out the live rooted plants for planting if any dead leaves are taken off save them for the Botanical specimens. The Agave Letchuguilla is intended for the Botanical collection unless they are desired for planting over

Take contents out carefully save the balence of contents (loose seeds podds of Agave and Yucca) There is some packages of Indian articles will overhaul the mass as soon as I reach Cambridge which will be soon, have a little more to do in Texas. which I start to day to complete then will return via Saint Louis to see Engelmann.

Am not in very good health owing to an attack of fever on the road from Mexico hope to improve as the northern atmosphere is reached

Yours truly
Edward Palmer.

New Port Tennessee
July 20

Dear Watson

I send to day directed to you a box by mail containing a plant that grows among the clefts rocks also some lilley roots that grew by ~~a~~ ~~Liberty~~ Lufty Creek Jackson County North Carolina a very mountanious section this lilley is a free bloomer and more showey than any Tiger lilley I have seen no lilley like it for beauty or for number of blooms they where obtained on my visit to the Indians of North Carolina a few days since

It is so hot at this place that it is difficult to write.

As I shall move from this place soon. My next address will be Greeneville Tennessee

My regards to Prof Goodale and to Mr. Falkner

Yours Truly
Edward Palmer

Greeneville Tennessee
July 28 - 1881

Dear Watson

Yours of Jul 25.
just to hand. I arrived at this
place to day. glad you received
the Lilleys hope they will grow
The draft from M. Boissier I
will try to get cashed to morrow
there is no bank at this place
I may be able to trade it to some
one doing business in in New
York. As to Sir John Hookers
set do what you think is fair
he could not go to Mexico and
collect for the price he mentions
nevertheless for harmony sake

should you approve please write him he can have them at his suggested price. it is not my wish to ask an unfair price. to be sure they are not named and as it is hoped he will name his set so that the other purchasers can name theirs Sir Joseph Hooker may think his price ($7.50) per hundred sufficient.

Have not made any wonderful discoveries in opening mounds yet it is harvest time and hands are not to be had to work

Have several magnificent mounds to open hope to commence in a day.

My best wishes to you all many thanks for the draft

Hope your garden is doing well

Yours very truly
Edward Palmer.

Dandridge. Tenn Sep 2

Dear Watson

Yours of Aug 17 was forwarded from Greeneville to me at this place.

I have endorsed the draft as you suggest and returned it that you may get back the money you advanced. You can send the balence in check on New York this I can get cashed at Knoxville Tenn. at which place hope to be in a few days.

I was successful the other day in opening a mound full of human remains. and have three more mounds at this place to open.

Dr. Goodale wil sail at a good season hope he wil have a good time

It has been unusually hot and dry and crops are much dried up

Yours very truly

Edward Palmer

Direct to me at Knoxville

Tennessee

You had better erase from your envelope the words if not delivered within 5 days to return &c then it will be kept at the post office untill called for

Mariana Arkansas
Jan 12, 1882

Dear Watson

I have been silent some time. have waited that I might be able to say what my future plans are. am not yet certain. Barnes last intimated he would keep me in the field. have written him to inform me at once as another party has made me an offer and should I fail in both, may make a two years trip from Guaymas Mexico to the Mountains of Chihuahua Mexico for the plants of those elevated mountains. If you have an opportunity please tell

the rest of my Mexican sets of plants at the price you consider just.
If you have received the money from Kew Gardens or Sir John Hooker please forward it to my brother by check in his name so he can cash it, and let me know the amount. Have the London party worked up the Mexican plants of my collection and with what result. Have any of the live plants turned out of special interest. Did Mr Falkner raise many of the Mexican seeds especially that little blue plant (new) somewhat like forget me not. The winter is so mild grass is green I seen only one frost with a half inch of ice. No snow but rain the rain day after day nothing else which impaired my work very much — have made a fair collection. Baird expresses great satisfaction with my work and proposes should he be able to continue me in the field he proposes that I use my own judgment as to the locality so may be in time can reach the mounds of Central Alabama of which you spoke about.
A few days since saw some dwarf palms that must be somewhat hardy as some winters the ground freeze hard they may only require a little covering with your climate at the time could not forward you any, but should I come across any more will try and send you some.
Love to Dr Goodale — Dr Gray Mr Falkner yourself and all Cambridge friends.
It is somewhat difficult

to tell the spot a letter will
catch up with me but you
may venture and address me
at Helena
Phillips County
Arkansaw
Yours Respectfully
Edward Palmer.

Washington July 27

Dear Watson

Returned to this city to put last years work in shape - Found some pood things in Tennessee this spring.

In a few days start for Indiana to hunt for mounds this summer. Next winter it is proposed to send me south either to Alabama or Mississippa or boath

I write so you may know am yet alive hope your jarden is in good condition and that you have been enabled to build new houses for your plants

Anything new among your plants or any questions you may wish to ask me

My regards to Prof Gray an Goodale

Yours truly

Edward Palmer

National Museum
Washington City
D. C.

Washington Aug 4

Dear Watson

As I am yet for a few days detained before starting for Indiana decided to follow your advice, advertise the sets of Tex & Mexican Plants in Torrey Bulltin & Coulters Gazett please inform me how many sets there are how many species in each set. and the price per hundred you think is reasonable. Then I wil send the advertisement to each of the above - How long would you keep the advetisment in. Can I state the sets are in your possession that you wil deliver them and wil you receive the money as I am so shifting about especially for the next few months

Yours very truly

Edward Palmer

National Museum

For Sale.

Sets 11, 12 and 13, of my collections (1879-80) in Southwestern Texas and Mexico. They contain about 770, 725 and 680 species, — named or soon to be named — respectively, besides ~~Together with~~ about 100 duplicate numbers, mostly (a) from different localities. Price 80, 75 and 70 dollars, each. Application may be made to Sereno Watson, Cambridge, Mass., who will forward the packages as requested ~~directed~~ and to whom ~~[illegible]~~ payment ~~[illegible]~~ may be made.

Edward Palmer.

Sent to Bot. Gazette
Torrey Bulletin
Amer. Naturalist } Sept 9/80

with $1.00 to each.

Arkansaw City, Desha County
Arkansaw Dec 1

Dear Watson

Yours of Nov 10 forwarded from Washington. Many thanks for looking after my plants. The money in your hands please forward by Postal order to me at Arkansaw City Desha County Arkansaw there is no bank in the place to sell check

Winter has made its appearance with a slight frost yet but few leaves have fallen hope it wil be a mild winter as I have a number of mounds yet to open and wish to get through by January then to go to the region round New Orleans for the rest of the winter. to return to Washing

in March – to prepare report
and arrange collections
made I am desirous to
go to Mexico or Arizona
next spring to finish some
collections there

Saw by the papers one of
your Agaves Victoria Regia
bloomed –

Hope your garden is
in good order That good
health is enjoyed by you
all

Yours very truly
Edward Palmer

Ack #150 Jan 9/02

Blount ville Alab
May 15

Dear Watson

Your Postal Card was forwarded from Washington to me at this place.
I send you three pictures so you can send one to De Candole the others to whom soever you think best. — I am afraid to trust my memory for the information required about the pines as so many other things since I left mexico have occupied my attention had I my mexican notes might give you the desired information they are packed away at the Smithsonion & I am hear. It wil be June when I start for new mexico on my way to old mexico then wil call and see Dr Engelmann if he has specimens of the pines of which you require information the sight of them wil probably call to memory the information you desire — then wil inform you — The bark you speak of has fallen out of its place I think it belong to Red pine or Pino Real

Yours truly
Edward Palmer
Blount ville
Blount County
Alabama

# EVERETT HOUSE,

ROOMS ON
**EUROPEAN PLAN,**
Without Board,
50c., 75c., $1.00, $1.50 per day,
According to Location.

COR. FOURTH AND OLIVE STS.

**AMERICAN AND EUROPEAN PLAN.**

ROOMS ON
**AMERICAN PLAN,**
With Board,
$2.50, $2.00, $1.50 per day,
According to Location.

St. Louis, June 24 1883

Dear Watson
Called upon Dr
Engelmann to day found
all had gone to Europe.
Wil start in a day or two
for El Paso Texas and Mexico
stoping at Little Rock to
examine some new discovered prehistoric
remains not far from that
place. As the Mexican col
lection wil all come to the
National Museum, the dried
plants would have to be re
packed to be sent away for
nameing. It is thought best
to turn them over as they ar
rive to Vasey he wil have

to send you a set to name.
Engelman you wil answer the best I can your questions about the Mexican Pines. (I) Pinon this is short bodied tree with edable fruit low wide spreding branches they are often desem enated over dry hills having the appearance of a large orchard (II) White pine grows in the tall mountains is of large saw log size very straight fine timber (III new species did not find it only in one locality on each side of a long mountain pass variously devesified not very tall (nor large wood) but numerous somewhat slender branches fine for cultivation from high moutains or (IV) Red pine Pine real a tall straight tree large size very durable fine for bridge timber - The bark you speak of belong to this - I dont remember any thing about it. I think there was specimens of the woods of these trees either upstairs with the plant bundles or in the Lecture room cases in working up the plants there was the large plants inside of the Lecture room cases. hope you are all in good health very truly

Edward Palmer

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# MORSE HOUSE,

FORMERLY GRAND CENTRAL,

By Mrs. S. A. Morse. Wm. M. Morse, Clerk.

Hot Springs, Ark. Sep 30 1883

Dear Watson

I did not as you see go to Mescico this Summer - It was decided first for me to finish up certain work begun in this and other states first and go to Mescico in the Winter As I may visit Alabama on my way to Washington wil you please inform me the locality of the mounds you once spoke to me about in that state.

Visited this place for the benefit of my Rheumatism. there is to many sick hear which with the enforced idleness

a stay at this place
compell one to in dure som
gave me a distaste for the
place. Leave for Malvern
to Open some mounds to
morrow
Have been reasonably suc-
cessful in mound explorations
there is more blanks than
prizes - Financially they are
a failure.

With Kind regards
to all
Remain

Yours truly
Edward Palmer

direct to me at Malvern Junc
Arkansaw

Tuscaloosa Alab
Jan 13th 84

Dear Watson

Called at Greensborough and saw your brother spent a very pleasant day with him. There is no mounds near that place many of them nearest to it Captain Hall of Davenport Iowa has opened The celebrated group of mounds at Carthage he some wishes Prof Smith of the State University to open them.

Have a number of localities to visit along the Tombigbee Alabama and Mobile rivers also have to examine the

Shell heaps of Mobile Harbor
To-morrow start down the
Tombigbee River.
The past ten days has been
very cold nearly to zero
but little snow fell but the
trees where beautifully hung
with ice and the ground
so covered with ice that it
was difficult to walk
There is some fear that
Congress may fail to make
an appropriation this winter
in which event I shall have
to hunt a new field of
operation. Do you know
a place that I could go to
collect plants and make it
pay. Parry informs me
Pringle goes to Northern Mexico
unless I go to some other part

of Mexico know not what field wil pay to collect plants combined with a general collection of other things.

Yours very truly
Edward Palmer
Mobile
Alabama

Prof Sereno Watson
Botanical Garden
Cambridge
Mass

P.S. Your Brother kindly offered to assist me in any way he could but the available money are so scattered he could not assist me, his good intentions I appreciate — E. P.

Washington City
Mar 4

Dear Watson

There is a prospect of my getting off on Saturday next I go first to visit a small band of Indians living on the Catawba River York County South Carolina Then to finish some work in Tennesse & Arkansaw, After which to extend work in to the Indian Territory if circumstances admitting it take a journey accross the country to the Little Colorado River. I am sorry there was so many duplicates in my plant sets but they looked so different that it was thought best to keep them seperate. I should like to

make the sets as desirable to the purchasers and suppose all would be glad of a named list Your Herbarium has a full set containing notes often with the plants. notes that might be added to the Catalogue they may be of some importance. My numbers. or native names where retained might allso be retained as it will assist me to recognize some plants used as food or medicine by the Indians of Mexico Not knowing how far the English party have worked up my last Mexican plants. or what progress Prof Eaton has made in determineing the ferns If You could undertake to arrange that the plants are determined including the live plants sent and those raised from seeds allso those Yuccas Agaves Deselarians &c in Your Herbarium museum. A large Yucca with Capsules & seeds You thought was new it may be one Engelman wrote me about while in Mexico I will assist in paying the espense as far as my means will admit, it will be advantageous to all if they are worked up and I am willing as far as can be to help pay for it so that my customers may be better satisfied.

Let me know at your earliest convenience if it can be done and what it will cost then can tell if the amount can be spared from my pay

Shall try and go to the northern States of Mexico nesc if Prof Baird is willing as he is desirous for a large collection from there.

In you letter please inform
me if Mr. Chickering of Cambridge
or any one else wrote a book on
fode products or any thing of
the Kind. I have some re-
collection of some sutch a book.
allso send me the name of
your Gardner
Hope you will be able to dispose
of the remaining sets of plants

Yours very truly
Edward Palmer
National museum
Washington

P. S has Prof Gray Returned
is Prof Goodale in Europe

Washington City. May 27

Dear Watson

Arrived hear yesterday Congress has not made the appropriation yet for the museum. From present appearances I shall be continued with this museum. However should that not be the case then wil write you at once as to the future

You sent me your paper containing the first part of my mexican plants Please send me two copies of your paper which finishes my mexican collection. a friend wishes one this I solicit two.

Have not had an oppertunity of seeing vasey since my return

My Regards to all at Cambridge

Yours very truly

Edward Palmer.

National Museum
Washington City
D. C.

Little Rock. Ark.
June 30

Dear Walton

It may surprise you to find me hear. yes Came hear to day in order to take measurements of a grope of mounds. Then go to Natchez to measure another grope of mounds this work wil take about ten days.

Then go to Gulf of Mexico to make a large collection of the attractive forms of life from salt water for the New Orleans Exposition. This wil take about three months. After that it is pro-posed for me

to go to the gulf of California to make a collection of every thing attainable. Plants wil not be forgotten especially from the Islands. The great amount of work to be done may prevent me from making a great many set, wil try and get sufficient for the leading Institutions. To this New Orleans exposition wil keep me at work for some months

It is an unpleasant time to go to the gulf of Mexico the heat so great. It has to be done to have the specimens in time

The fall and early winter wil be good especially for many plants in the gulf of California

The two copies of your paper containing my last Mexican plants was received for which accept my thanks

Should I see anything that may be usefull to your garden or Herbarium wil send it

My regards to all

yours truly

Edward Palmer
Key West
Florida

[illegible]. I left in one of your small rooms upstairs a package of plant boards & straps wil you please put a wrapper round them. and address Prof S. F. Baird Smithsonian Institution Washington D.C. mark at the bottom - for Edward Palmer

Hope your garden prosper
My regards to all

Yours very truly
Edward Palmer

Prof Sereno Watson
Cambridge
Mass

P. S what time are the oaks (dwarf) in bloom in the region about San Diego California. E. P.

Washington City Nov 6

Dear Watson

The begining of October returned from the Keys of Florida having made a very large collection for New Orleans Exposition of everything to be had from the variable waters surrounding the Keys.

Have been confined to the house by sickness for several days — am now better

I am desirous of spending the winter in the Gulf of California among some Islands. Shall gather the botany as it may be of interest. Have you any suggest-

your success in having the new green house, the plants must look fine. Mr [illegible] of the
Mexican plants [showed] + Dr. Thurber and myself yesterday
Mr. Watson my picture work. It had been his wish for
some time that I should make a visit to Chihuahua
and that mountain region. I think it
thought that part of Mexico has not been botanically [illegible]
Mr. [illegible] desires all the Indian productions and [illegible]
he is ascertaining the [illegible] of plants are
desirable from that section and would pay
part of the expense ~~of the [illegible]~~ being not
able to do anything until after Congress meets.
In the mean time I will go some where to pay expenses
possibly to Eastern Arizona to get a number of live plants
of Agave Parryi if I can find it would you want the
plants (Engelmann's last request if he could find it he was
had an opportunity. Is there any fun with collecting
botanically. Many can be found in that portion about
the head of the Gulf of California. I wish to
start in a few days as soon as I can determine as to [illegible]
to spend three months then if an appropriation is had to go to the
[illegible] [illegible] [illegible] a small amount is obtained and [illegible]
will pay [illegible] I am yours truly

Edward Palmer

Smithsonian Institution

Washington Nov 22 18[illegible]

Mr Watson

The package came safely, thanks.
Since I wrote you it is found that the funds on hand will not admit of making the trip to the Gulf of California now so that is dropped but I hope at no distant day to visit them.
Dr Pringle went from Tucson to the Gulf at what part did he strike the Gulf of California. He is fortunate he could go any where without an escort of Soldiers at the time of my visit to that section he traveled over, you could go no where without an escort of soldiers or citizens.
As to that set of Mexican plants, it was accepted as a donation from him to the Herbarium. Am pleased to know of

Mesa Arizona Jan 20 - 1885

Dear Watson

I have written to Prof Baird to ascertain if he wish any collection from the locality in Guatamala of which you wrote, he may write to Dr Gray regarding the locality. If profitable collections can be made there it maybe best to go there - especially if the company will assist me as its a new field and much of Interest may be probably found. Could you give me a little more information as to the precise locality and how to get there, and what operations the Company carry on. Should I go out there it might be best for me to see

the officers of the Company my self—so can the more inteligently prepare an outfit suited to the Collections desired as in all probability but little material can be obtained in the locality of the Companys grant not even paper. If you think it will do for me to see the Company on my return from this section all right—should there be need of my communication with the Company at once please send me it's address. Hope to be in Washington in March. It makes no difference to me in going to Mexico or Guatamala, it's the making of a useful collection that I desire.

The maps give a poor Idea of the locality

Yours very truly
direct = Edward Palmer
Pimo. Indian agency
via. Casa Grande
Pinal County. Arizona

Prof. Sereno Watson

Palmer

Washington City May 20 - 1885

Dear Watson

I was over to the Agricultural Dep yesterday Vasey informed me you had returned allow me to congratulate you hope you was as successful as you deserved. I could not go out to the Bay as Baird had no available funds after finishing ~~with~~ the Indians collection of Southern Arizona, should have gone to Mexico but my health would not admit of it so returned hear am now better expect to go out among some Western tribes of Indians in two weeks to make collections for Baird to be absent some time. Do you know if Parry has returned from Europe. where is he

I am interested in introducing the Mexican edable cattus into Florida, Engelmann called it Tuna Cardona (an Opuntia) – a tall grower very distinct from any other I sent to you seeds so did Dr Barcetta of San Luis Potosi Mexico a number came up from the Drs seeds these are the Tuna Cardona the label with them was marked as stated from the Doctor. The fruit is very fine and will thrive and be of commercial importance in Florida Could You send me a plant or two by Express. (If I remember you had twenty plants) Did You find any Botanical novelties at the Bay – and Was there any Indians living in Communities that manufactured anything original, any Indian mounds or caves with human remains. hope You are in good health

Yours very truly

Edward Palmer

Smithsonian Institution

Washington June 15

Dear Watson

I am sorry you have the fever hope you wil soon recover.

As the Indians have broke out against the setlers of Arizona and New Mexico. My plans have to be changed. The long defurred journey to Chihuahua has been decided for me to make as soon as I can get ready. ~~The~~ ~~founds~~ for the trip are limited as Baird have to pay it out of the Smithsonion fund, from previous experience in the like collecting in Mexico I see one half of the cost wil have to be ~~made~~ provided for by myself so I wil have to collect plants, to get my money back. I understand Pringle is in Mexico

please inform me what parts he has visited and the extent of his intended Journey. so I may not go over his ground — as two collections might not find sale — For Prof. Baird I have to visit the Indians in the mountains and valleys to obtain every thing from them, not an easy task - not wishing to be idle wil undertake the Journey — if plants wil help me out. Hoping your health is better if possible let me know about pringle at your earliest convenience.

Live plants from that field is there any sale for them or for seeds.

Yours very truly
Edward Palmer
Smithsonian Institution
Washington City
D. C.

Washington July 3

Dear Watson

In a few days a party start for the mining section of Mexico known as Batopilas, I wil accompany them by invitation. Shepherd formerly of this place has charge of the mines Pringle did not reach there. As you see by the map its an important botanical locality after leaving the R. R. there is a stage ride of three days then 6 days journey by mule travel it is rainey season now wil try and return by way of the mountains on Pacific side

Truly Palmer

WASHINGTON JUL 3 8 PM 85 D.C.

U.S. POSTAGE ONE CENT

POSTAL CARD.

NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

Prof Sereno Watson
Botanical Garden
Cambridge
Mass

Washington Feb

Dear Watson

I dont think my plants wil allow of more than twelve sets - As Pringle sets his at eight dollars per hundred mine wil have to sell for the same. though they cost more to collect the ~~coll~~ locality from which obtained was so far from the Rail Road and had not Governor Sheppherd rendered me assistance the plants would not realize what they cost to get If the cash outlay is realized thats all that can be done

I wil make up the sets as soon as its a little warmer ~~the~~ the cold sickens me. Am quite indisposed. If I can and nothing else better offer may go to Guadalajarer Mexico there are Indians and many plants there utalized by them in various ways

Do you know of any one desiring sets of plants.

Yours truly
Edward Palmer
Smithsonion Institution

In sending specimens of plants for investigation it is desirable to have the leaves, flowers, and fruit; and, in the case of bulbous plants, the bulbs, also. When they are sent from a distance it is best to prepare the specimens by drying them under pressure between folds of absorbent paper, otherwise the parts shrink and break so as to be hardly recognizable. When the dried plants are sent they should be protected from breakage in the mail by being inclosed between pieces of stiff pasteboard. Packages weighing less than four pounds can be sent by mail at the rate of one cent per ounce. Write the name of the sender on the outside. In the letter accompanying the specimens state where collected, the date, and any other particulars of the plant, whether reputed poisonous, pestiferous, medicinal, or useful.

UNITED STATES
**Department of Agriculture,**
DIVISION OF BOTANY,

Washington, D. C., Feb 4 1885.

Dear Watson

At last the set of plants is ready and sent, you wil find in the bundle the Catalogue in two divisions, one with numbers the other with letters Please retain these numbers and letters to the specimens, As the Smithsonian has specimens from many of these plants with the same numbers and letters which can be named from your list after you have identified the plants. The elevations given of localites was determined by a competent engineer with one exception, that is given by myself with my reasons for the same. A specimen of Yerba de la Fletcha is sent under lettet (S) which differ from the Kind collected by Pringle in Sonora shown me by Dr Vasey

In the Catalogue I frequently mention wood Openings in the mountain country there are numerous open spots of various.

sizes and shapes surrounded more or less with trees (these wood openings in winter are covered to a considerable depth with snow in spring as they are often a little lower than their surroundings water stand for some time in them as they dry of flowers in great profusion spring up Hills are often mentioned in the Catalogue sometimes a section of mountain side or some other part are broaken into hills or variable small elevations the plants grown thereon are so noted (Hills)

Some large pictures are inclosed with the plants - they are of the mountain cenery about Batopila as you see the mountains come down to the Batopilas River there is no valley - no wagon road all business and travel is by animals the narrow roads are cut out of the mountain sides and the large establishment you see in one of the pictures is Governor Sheppherds mining establishment the spot on which it stand was made by leveling down the mountain side these pictures are sent that you

may obtain a better idea of the home of the plants sent you. These pictures was obtained as a special favour - no others could be obtaind or you could keep them. Please return them at your convenience.

A bundle of Ferns is sent that you may send them to either Eaton or Davenport for nameing as you wil know who is now working up ferns.

Could you inform me of any one wishing sets of my plants.

We have now the coldest and heaviest snow seen for years in Washington. it keeps me indoors and sickens me.

In Texas I collected several forms of Pecan nuts. am gathering Indian food matter together please give me names of different Pecan nuts with locality

Yours truly
Edward Palmer

Washington Feb 27 1886

Dear Watson

It may interest you to know that occasionally along the Batopilas river a mesquit tree is found none was either in fruit or bloom they apper like those of Arizona - sometimes one is found a short distance from the River up the Cañons. By glass you may detect on the large pictures sent, several species of Cactus among the vegetation, that have the general appearance of the Cactus seen in Arizona

I wish to advertisse my sets of plants Will you please send me such a copy of an Advertisement as wil be suitable to designate my sets - from Pringles - some that have bought his may think mine are the same - You have seen both sets and can tell best about the geographical differences

Please inform me if you wil publish a list of my plants to include any of the notes sent you and your comments there on - if so could you include the ferns - Shall Vasey send the grass list with his notes there to

Dr. Vasey think it would be best if the whole collection is published

306.55
58.00
248.55

in one paper if you are of
the same opinion he wil send
you his grass notes with list when
you desire I wil pay the cost of
printing

I shall have twelve sets. in a
day or two can tell how many in
the sets Am makeing up the
sets as fast as my health will ad-
mit I hope you wil find the col
lection equal to your expectation

Yours very truly

Edward Palmer

Am numbering the plants the same
as the set sent you whare alpha-
betical letter are used they are reta-
ined as in your set.
so who ever purchase a set wil
have labels sent with printed list

E. P.

Washington Mar 11
Dear Watson

Thanks for your kindness in having the labels printed Dr. Vasey thinks they wil be sufficient -
Labels not yet arrived
Shall I send the Kew and St Petersburg sets to you
Am sorry but the ferns had all been distributed in the sets, before your letter reached me or Eaton should have had a set
Dr. Vasey wil send his grass paper to be incorporated with your list of the Plants
The advertisement regarding the sets has been forwarded
I should not have put the plants into sets untill all was determined. had not my health been poor I work two or three hours some days then a day or two cant do nothing - As soon I can get my affairs in shape wil go som whare it wil take untill May I fear to get ready

I am certain that my spell_
ing of Batopilas is correct
because its the way it is
officially spelt by Government
officers.
The locality 150 miles north
of Batopilas (is the Town of
Norogachia, I do not know
how far it is from Chihua_
hua. it may be west of it
as you suggest I have no
map

Yours truly
Edward Palmer

UNITED STATES

POSTAL CARD

Nothing but the address to be on this side.

WASHINGTON D.C.
MAR 24
11 PM
86

Prof Sereno Watson
Botanical Garden
Cambridge Mass

Washington Mar 23

Dear Watson Am desirous to remove plant seeds as they are in Vaseys way – send one to Leal. and one to Canby to morrow To whom shal I send the one you wished saved for Kew and St Petersburg

Yours E. Palmer

Washington Mar 27

Dear Watson

In counting over the labels for the sets we find a shortage of 350 for Vaseys sets and there are 450 labels required for each of the two sets you wished saved for Kew and St Petersburgh - Am sorry to have to ask you to have these additional 1250 printed as no one here print so neat a label If the two sets are to be sent to Cambridge the labels for them you can retain sending 350

to Vasey

When you send the printed Catalogues wil you send allso the names of the specimens sent by Dr. Vasey in his bundle a short time since especially the Mulberry as that is used by the Indians

There was allso a flower bright Carmine color

Dr. Vasey wishes me to say that he finds in the list of my Grasses sent you for incorporation with your list of plants two grasses with numbers 22 — He says change Eliomerus Candidus to Q. Q. these two letters the doctor took for 22. instead of the seventeenth letter of the Alphabet twice repeated. please excuse the mistake

In returning the large pictures should you wish a copy of any or all of them I think I can get Prof Baird to have his Photographer make the copies for you

To morrow I wil send a package of fern spores it is numbered with Catalogue number — there is another package marked Q. Q. seed of one of the prety plants of the collection — The one

marked. B. as you wil see
by the Catalogue is what I
suppose to be Pectan abori-
ginum (Hair brush Cactus)

The palm leaf of the pack-
age need not be returned - only the
name desired as the Indians use
this palm to make mats Hats and
baskets. It grows on the side
and in Raveins that are some
what secluded in the mountains
12 to 14 feet high not over a foot
diameter - with but few leaves
with short stems found neither
fruit or flowers.

Thought you might like to cultiva-
te the seeds

Yours very truly
Edward Palmer

1

Washington Ap 10

Dear Watson

Have been occu
pied so I did not see Vasey
for some days untill late
to day Saturday — packed
up the set for Kew and
sent it by Expiress to you
your address there is no
labels in the packages
wil you send the neces-
sary labels with it to Kew
The Smithsonion wil
be sending to St Petersburg
within a week so wil do
up the set of plants and turn
it over at once I suppose
Dr Vasey wil know the
address If not Telegraph

the address so it wil be in time
there is no labels in this set
as they may not reach hear
in time could you send the
labels to St Petersburgh
I have labels in the other
sets - Vasey require some
more (I think 350)
In the Kew set is 434 speci
" " St Petersburgh 430 "
That Cereus - several years
ago on my way to Hermosillo
Sonora Mexico I obtained
from the Papago Indians
some Hair brushes which
they said was from a Cactus
None of the plant was near
where they where in camp
Dr. Engelman took out the

seed of one and said they
where widely different from
any other Cactus. He raised
plants I saw them at his
house the third year and
the Dr. told me they where
my hair brush Cactus
his was marked Pectan
aborijinum plants was
sent to the Agricultural
Department thus marked
and you had a plant
the last time I was in
Cambridge your plant
was still alive but the label
gone If now alive you
may recognize it by the specimen
sent you now. The dry spiney
parts sent you are the

fruit they had been broaken
open by either Indians or ani-
mals to get out the seeds
The Indians Cut off spines
on one side so as to be able
to handle it while useing
it as a hair brush - The one
brought back by me this time
was at once recognized by
Prof O. T. Mason as the same
as the one previously obtained
from the Pappago Indians
It is the fruit which is
dry - not edable only the
seed C. Gigantea & C Thur-
beri are very fleshy fruits -

but having many short spines over the surface of the fruit which fall off when thoroughly ripe or easily removed while (Pectan aboriginum) is dry with the spines adhering tight, force is required to open one the sharp spiney surface is admirably adabted to rake out the course hair of the Indians. The larger number of the plants in the Photograph are this Cerus the others Thurberi. intermixed, having more closely set ribs The Yerba de la flech

is a shrub with many stems about 6 feet high no flowers new or old could be obtained — the few old seed pods is all to be had tried had to get flowers but none

The list is just in time as I am going over the Indian collection — Thanks

I think last years work wil cover the out lay in money

The new finds wil be the compensation for the time consumed.

Thanks to yourself and Dr Gray for determining the collection.

My health is now a little better the weather has improved a little.

If nothing offer from the National Museum within a few days wil go and make a plant collection some whare — have you or Dr Gray any suggestion

It has occurred to me Guadalajara Mexico untill winter then a locality mid way betwen San Luis Potosi and Tampeco Mexico for the winter.

Yours truly
Edward Palmer

UNITED STATES

POSTAL CARD

Nothing but the address to be on this side.

WASHINGTON D.C. APR 11 2 PM

ONE CENT

Prof Sereno Watson
Botanical Garden
Cambridge. Mass

Washington Ap 11

Dear Watson

In my letter omitted to speak of the palm of which a leaf was sent you. it grows in the secluded Cañons of mountains about Batopilas — Pringle may get it —

Yours

E. Palmer.

Washington May 14

Dear Watson

I expect to start on the 16th instant for Guadalajara Mexico

When your plant paper is published please send a few coppies to Dr Vasey (The one that wil contain my last plant collection) As I did not find among the Photographs returned – the one containing the hair brush Cactus thought you might wish it longer take care of it as on my return may wish to figure it with the hair brush.

My best wishes

Yours truly

Edward Palmer.

P. S should the money for the Kew & St Petersburg plants be sent to you please forward to (Vasey)

Guadalajara Mexico
Aug 11 - 1886

Dear Watson

I am succeeding as wel as could be expected in this thinly settled and difficult country to get about in the rainey season though the only one in which there are plants - is very difficult to dry them in - I start to morrow to a very good locality from present indicikations a fair collection wil be made. the collection wil not be a financial success - there is so many expenses - every time I go out of the City with an outfit I have to pay one dollar and twenty five cents safety tax

It wil be october before
I finish and wil need
some money to return
on It would be a great
assistance if you could
send the money for the
two sets of plants that
went to Europe by your
order - if you have recei-
ved it it takes six weeks
for a letter to reach hear
so it wil be near time
for me to return when
your answer reaches me
a draft on new York
sells best hear

Regards to all

Yours truly

Edward Palmer

Guadalajara Mexico

Washington D. C. Dec 9

Dear Watson

Arrived hear yesterday. Collection expected in a few days - comprising over seven hundred species from the peculiar locality Guadalajara - I think you and Dr Gray wil be surprized at the commingleing of Tropical and Table land plants.

I send by mail three things for you to name for me - you need not return the specimens - only the name with the letter attatched to them

A. Found in cultivation at Guadalajara a beautiful climber grows like the morning glory profuse bloomer one

of the showest of Climbers old flowers light nankeen color the unopened ones red only seen as I was leaving so secured this specimen in my note book - but few seeds ripe these you can plant.

B - from Guadalajara Market said to be the fruit of a climbing plant - much used in making drinks - as we use lemonade a spongy fruit. (intertropical)

C - a very useful fruit the pulp is of a very agreeable acid sweet is much eaten (is probably one of the Passion flowers. intertropical sold in the market of Guadalajara

very truly
Edward Palmer

Mina [illegible]

Washington Dec 17

Dear Watson

Excuse the pencil am sick with a bad cold this wretched climate. If it was possible would spend the winter in San Diego — Guadalajara collection not yet arrived but expect it any day when it will be at once overhauled — And a set sent you for determination provided I can see to it. — The expenses in money outlay for making the collection is over seven hundred dollars and it is impossible to get it back out of the sales of the sets at eight dollars per hundred and to raise the price would probably prevent the sale

Yours of Dec 13 to hand with check to settle for Kew + St Petersburg sets of plants for which accept my thanks

Fords bill satisfactory

Your letter to me last summer shared the fate of other letters mexican mails are uncertain.

If you have any copies of published list of my plants please send me a few and if Dr Gray has published

anything regarding the Batopilas plants please send two copies as I wish to gather everything relating to the plants of Batopilas together. Did you save the cactus Photograph - was the material sufficient to finish Engelmann's discription.

Thanks for determining the things Dr Vasey sent.

I had hoped Pringle would go to the higher portions of the Sierra Madra on the Road to Batopilas as he thought of doing last Spring then he might have obtained the Palm of which I only saw in leaf (this summer I saw no Palms only one or two in cultivation.)

Pringle is the youngest for me to attempt the Sierra Madra trip would I fear be to much besides the cost would be more than could be recovered by the sales of the plants

Prof Baird is confined to his house by a severe cold. As soon as he is out will see if any expedition or any thing in connection with the Columbus celebration is to be attempted next year — so you see am looking out — Dr Vasey thought it might pay to visit the Cascade mountains (the parts not heretofore visited) what do you think — or do you know of any spot in Mexico better. Should nothing better offer am thinking of gleaning over some of the old fields, previously gone over by me for instance Guadalupe Island at the Southern end at the time of my visit could not get to it as it was to far to walk from where I was and had no boat to reach it — now would it pay to take Photographs of the Island and gather the flora again — to thoroughly examine the Southern end — As I am convinced the flora differ from the rest of the Island, it would be interesting to have pictures of the Palms — &c I to day write to a friend at San Diego as to what a boat could be hired for for the trip, and if a

Photographer in San Diego could be obtained to take the pictures and on what conditions.

The hardships of the previous visit to the Islands are still fresh in memory and a second visit could not be a picknick - but it does not pay to loaf -

Will you please send a copy of any paper you or Dr Watson may have published regarding the Ratsfilias plants to the British Museum and to Prof Barbey of Switzerland also was sent to them by Dr Vasey in my absence

Yours truly
Edward Palmer

Dear Watson

I have signed the inclosed so the last years plants are settled for — The guadalajara collection

has not arrived hope
it wil before Dr. Gray
Comes as I would like
him to peep in among
the bundles they wil
be opened at Vaseys

N. L. Britton of
Col. Col. forwarded to
day the inclosed list of
numbers to be filled out
but neither Vasey or
myself have a cattalogue
imbracing those. so
I inclose it to you ho
ping you may be able
to fill it out and forward
to him          Yours truly
Edward Palmer

Washington Dec 21

Dear Watson

Can you put me on the track of any book or information about the Opuntia - did Engleman write any thing about the Opuntia - am going to prepare a paper upon its uses. and distribution

yours Edward Palmer

UNITED STATES

POSTAL CARD

Nothing but the address to be on this side.

WASHINGTON D.C. DEC 3 PM 83

Prof Sereno Watson
Botanical Garden.
Cambridge Mass.

Washington Jan 24 /67

Dear Watson

In going over the collection made last summer find some wooden boxes of Jelley nicely made by a party at Guadalajara celebrated for jelley makeing mexican mode (always in wooden boxes) or dried in the cake) It is made from a species of Hawthorn represented in my collection under number 465. I wish you and Doctor Gray to pass judgement upon it. The fruit is ner or quite as large as many crab apples is sweet very productive and a showey ornamental bushey top small tree. fine for cultivation fruit yellow with fine black dots often on one side a red blush - it's the favourite Jelley of Mexico fruit found three or four months in the market

Wil send you the set of my plants as soon as they can be got ready.

Yours very truly
Edward Palmer

Washington Feb 4

Dear Watson

I send to day by express a set of my plants that You & Prof Gray may see what good there is among them, There is a good many loose packages of seeds roots wood &c — they would injure the specimens if left with them

I have sent You the original Catalogue had intended to have extracted what related to the plants sent You from the grass & ferns but had not time — the locality Catalogues have on the outside — dates the numbers imbraced inside — and note regarding the locality

There is a double sheet missed enteries previously forgotten

The enteries in catalogue checked of are either grass or ferns.

The ferns & grass wil be sent You later

As You sent last Years ferns to Prof Eaton for determination thought it would be best to send him a set for determination direct from hear.

Yours truly

Edward Palmer

UNITED STATES NATIONAL MUSEUM
UNDER DIRECTION OF
THE SMITHSONIAN INSTITUTION
WASHINGTON

Mar 6

Dear Watson

The color of the plums of 408 was pale yellow generally with slight green cast

There is another species with red fruit which I did not find – The leaves of 408 are shiney stiff & hard_

Dr Grays card came yesturday please say to him within two weeks the Kew set wil be in Cambridge hope he can wait before sending the Kew box I have been sick have engaged a person to help me to morrow so wil have the sets ready at the earliest moment and the Kew set wil be the first sent away

Have twelve sets spoken for do you know if France, Austria or other parties besides those you have written about wil want sets, Last years sets left me short a few dollars of

the amount it cost to procure them
And this Collection has cost 800 $
I do not see how it is to be got out
of the sets unless I charge 10 $ per
hundred I ought to have something
for use of my time over the outlay
of money please state if in your
opinion it wil be advisable to charge
ten dollars per hundred

As soon as the plants are off my hands
wil see Prof Baird as to the future
if he has no funds for work. Do you
think of any place along the Gulf
Coast that may pay to make Collections
in like Mansanillo and Colema back
or San Blass and country back or
would it be best at Guaymas or
any other spot. I find the vessel Prof
Baird wil send to the Gulf of Califor
nia wil not start before next winter

Yours truly
Edward Palmer.

Washington Mar 7

Dear Watson

To day find two plants without numbers the original numbers was sent with your specimens and other numbers was not copied from them so send you a specimen of each numbered so please copy the number & accompanying notes in the respective localities catalogues as I will distribute by those numbers no 901 is from Tequila and grows in the shade under bushes in deep raveins bloom showey rose pink = 416

= 560 no 900 grows at Rio Blanco and Guadalajara very common in corn fields & along fences and waste places.

Parry write that he has lately received from Kew a late copy of Icones Plantarum in which Nicotiana Palmeri Baker is figured pl 1678 being 991 Parry & Palmer of 1878

please say to Dr. Gray when he goes to Kew if he would procure me a copy I should consider it a great favour

Yours very Truly

Edward Palmer

Washington Mar 15
Dear Watson
Excuse the pencil
The plants are all into sets to my great satisfaction
As I sent you the original catalogue and have nothing to refer to I wil be best to send 412 as if I see the plant can tell all about it - send the leguminous plant without number - any thing you dont understand just send by mail and I wil give the desired information if possible and return at once - state what locality 412 and 539 according to my notes was obtained at — I have 19 sets - the last five wil be less than half of the others
I have an order for a set for the British museum
Would it be best to write to Paris + Berlin before sending the sets
In a previous letter you said to send a set to St Petersburg by the Smithsonian I beleive last year you sent the bill for the set, it went through the Smithsonian Shall I get Vasey to do so now as I may be away when the money come.
I wil see Prof Baird in a day or two Guaymas would be a good base of operation as you can go by boat to so many

points there are Islands that can be reached by sailboats – The winter I spent up the Jackley River gave me an opertunity on returning to look in at the numerous Oyster bays near the mouth of the river these are studdied with Islands made of oyster shells piled up by Indians they are variously covered with vegetation I have no doubt this would be a good collecting spot the want of water prevented me from gathering any thing there at that time

Please say to Prof Gray there is no better material here of 9.1 than that sent him.

The Kew set is forwarded to day by Express to Dr Gray there is 666 specimens deducting 46 for duplicates – Dr Gray can collect the money when he gt to Kew and send it to Dr Vasey. (620 – at 10 $ per hundred

Please inform me when the labels and catalogue of names will be ready as some are anxious to get the sets. As for myself I can utalize the intervening time in getting ready for the next field of operation

In the box forwarded to day is my grasses – and the set of ferns for

Washington Mar 21

Dear Watson

The color of the inside of the melon is pure white, soft & pliable. The half sent you in the dry state faded out in opening it you will see the fibers running crosses transversely - it has but few seeds as you will see by opening the part sent. I only saw it in cultivation but it is quite common. No one that I could find was able to tell if it was native or introduced

Say to Dr. Gray my best wishes attend his journey to Europe

Have decided to charge 10 $ per hundred for the plants

Yours truly
Edw. Palmer

Washington Mar 31

Dear Watson

In the markets and drug stores of Guadalajara Mexico is sold a seed by the name Chia grande — said to be native of the Pacific side, used in making refreshing drinks for sick people and prescribed by doctors. In other localities have found Chia used for the same purposes — but they have been always some form of Salvia — but this Chia grande seem to differ so send you plants in bloom raised here in hot house with some seed — The oldest Mexican writers mention Chia as used by Indians but I find the name is not confined to one particular plant — but to those whose seed are used for a like purpose

The plants are sent to be included in the present collection

Yours Truly

Edward Palmer

Washington Ap 2

Dear Watson

Yours of March 31 to hand we shall look to morrow for the labels — thanks

In your previous letters you did not say any thing about 409

The seed and flowers just as sent to you was bought in Guadalajara market, the dried flowers are much used in forming refreshing drinks was told the plant is native on the Pacific side — I have never seen the plant in bloom — but saw small ones in gardens like the one sent you they look like young cotton plants from what I was told they grow erect like cotton plants, some seed was planted here last year I will see if any grew if so they may bloom this year, then [illegible] can send you a specimen.

Yours very truly

E. Palmer

[1888?]
[illegible]

Washington Ap 16

Dear Watson

Rheumatism in my right hand compell me to use pencil - To day had a talk with Dr. Vasey he says as I do that Engelmann named the hair brush Cactus Pectan Aboriginum that the Department raised some plants from the seed taken out of one of the brushes that they died the 2 or 3 year. At the same time Engelmann named a Cereus after me which I collected in Sonora on my way to Guaymas. I have looked over my papers hoping to find something from Engelmann about them but failed.

Have turned over to the Smithsonian the set of plants for St Petersburg for Dr. Edw Regel Director Imperial Bot. Gar. Please forward him the labels.

Feeling stronger to day went over to Vaseys and with the help of a man tied up the balence of the sets ready for shipment when called for - one set had lost from it, its labels they where secured to the top - cannot find them this is a misfortune for I do not like to give unnecessary trouble this compells me to ask when you send Vasey

Labels to send 290 more for this set.

In the collection of last year made at Guadalajara was a large number of ears of corn which have been sent to Dr E. L. Sturtevant his letter of Eight pages regarding them is to long to include hear besides you may not be interested in Corn - but will include the following Extract

With your permission. I shall attempt to grow the sweet corn for future distribution, and shall also distribute a few Kernels to other parties. I shall name one of the new Corns the San Pedro after the Indian village that grew the corn another the Dr. Palmer and the third the Baird corn - Dr. Sturtevant speaks in the highest terms of the corn find

Yours truly

Edward Palmer

Washington Apr 18

Dear Watson

Many thanks for the Catalogue we can make it out 113 newspapers is more than I expected. It helps in the payment silence to know the collection is of importance.

I have two sets of plants for Mr Smith of Baltimore who desires his labels written out I sent you the original Catalogue at the time to sick to copy it - I can not tell the locality of the specimens with out my Catalogue - can you let me have it for a few days then I will return it to you. Should you print a list with localities shortly that might do nevertheless Mr Smiths hurry.

Yours Truly
E. Palmer

P.S. has pringle started out

Washington Apr 19

Dear Watson

Your Postal Card to hand and in order to comply with your request - set to work to hunt up some notes regarding the trip to Florida during which those two new plants was found of which you want information. These notes are in one of several boxes stored in the Smithsonion Storage room. This morning I opened one box and overhauled it but no notes of Florida. I became so sick that the further overhauling of the boxes had to be abandoned. And my memory must supply the best information it can. As to the plant found on Indian River
× I think it was in March it is a common plant free bloomer very showey on grassey plains good soil. it was the most attractive plant seen any whare about the Indian River section

Why I think this plant was collected in March

is because myself and three others made the journey from Indian River to the Lake Okachobe ~~beginning~~ middle of January and returned to collect the new bulbous plant I think beginning of March

The new plant found in Biscayan Bay was I think in May — though a rather attractive plant it was sparingly found and only on low grassey bottoms rather close to the beach in sandy loom.

They wil be good plants to figure for a magazein. let me know if you want further information

Have commenced to put my plants into sets am a little better am allowed to work 3 or 4 hours a day by my Doctor

Saw Doctor Farlow to day he was over to see Dr. Vasey. Hear that Putnam is hear but cannot hunt him up

Yours very truly
Edward Palmer
Care of Dr. George Vasey

Washington Ap 23

Dear Watson,

Yours of two days since to hand the dates you sent wil answer all purposes, just as wel as my original catalogue

The attole you wish to know about is a Mexican Indian dish prepared from wheat - corn grass seed - sunflower seed Salvia, Amaranthus - or other nutritious seeds - mixed races of Mexico are as fond of the attole as the Indians

Corn or wheat is more generally used if the attole is to be made and sold in the market or to be used by the better to do people

The Indians or common people wil take the other seeds as wel

What ever seed or grain is used it must be first evenly parched then finely pounded - water being brought to a boil the pounded seed or grain is gradually dropped in with

one hand while the other stir the mixture rapidly when to the thickness of our ordinary gruel it is ready to eat and is atole of Mexico or gruel with us some times sugar is added - some prefer salt and some pounded berries to give flavours -

I see you have marked No one and two Physalis Angulata. In their fresh state they widely differ No 1 is low compact with abundance of fruit which are much used in making gravy & soups - and the flowers are so small you can scarcely see them

No 2 is large loose growing very large flowers quite distinct from No 1 the fruit not so abundant and not prized equal with the other for its edable qualities

Very Truly
E. Palmer

Washington May 10

Dear Watson

I start to morrow for Guaymas, in the State of Sonora, Mexico Expect to stay there as long as plants are to be had Towards next winter am thinking of going to that part of Mexico between San Luis Potosi and Tampico. There is good Ethnological specimens to be obtained there besides botany. best wishes

Yours truly

Edward Palmer

UNITED STATES NATIONAL MUSEUM

UNDER DIRECTION OF

THE SMITHSONIAN INSTITUTION

WASHINGTON

Washington May 11-1887

Dear Watson

Many thanks for the plate of new fern inclosed in your letter, that is all wanted by me.

You need not send my original notes they would come after my departure to morrow, so please retain them so if wanted can be had

Hope Dr. Gray has succeeded in naming the plants he took to Europe

I should like some day to see Kew Garden.

Yours truly

Edward Palmer

Have four sets, with Vasey, not sold.

We shall need about 100 more labels for Dr Palmers plants; if you can spare us some will be obliged

Truly Yours

Geo. Vasey

1887

Guaymas Mexico
Nov 6

Dear Watson
Mr [illegible] at hand to night to take the parcel you desire as I have had none for six months but the envelope was directed to you but [illegible] the letter from being written.
This is a poor place for Botany to collect in it has been many years without a good rainy season and this year instead of raining in latter part of June did not until middle of August then what vegetation came the [illegible] so rapidly that there was [illegible] from the [illegible] [illegible] which was ripe and plants dried up by [illegible] so that a stranger to the country would not have [illegible] within 6 years — [illegible]

[illegible] species which [illegible]

Besides a number of difficulties [illegible] it appears that the [illegible] separately [illegible]

[illegible]

[illegible]

men [illegible]

[illegible]

[illegible]

[illegible]

Yours truly,

[illegible]

Guaymas Mexico Jan 11 = 1888

Dear Watson

I have at last completed my task in this locality and shipped the collection about five hundred species - they wil be about three weeks getting to Washington since I wrote you before have visited Los Angeles Bay in Lower California though the latter part of November obtained 100 species of plants this was owing to the summer rains not falling at the usual time from July to September but latter part of October it rained and in November several showers so that at my visit it looked like spring while around Guaymas at the same time vegetation had matured its seed for the most part and was going to rest. I think you wil find many novelties I need not invite

you to come and see if I have gathered up all the species because I admit that was not done Stramonium Larria mexicana Mesquit &c. was left behind. It takes so long to do any thing here so many draw backs and disappointments. If the rains had come in their regular season then could have finished by end of October and saved two hundred dollars After putting this collection into sets what place will pay next to visit - Will it pay to make a collection at San Andrais on the Pacific side of Lower California it is some where between San Diego and Cape San Lucas - How is the Isthmus of Teuhantepec for desirable plants Then there is the Island I think 200 miles West of Mazatlan it is marked on the Gulf of California maps as Socorro Island is said to be quite mountanious. This summer it was surveyed by Engineers who am told found water on it The rainey

season commences in July unless the rainey season is as unreliable as it is in Sonora and Lower California there is now no one living on the Island it is owned by a Mexican land speculating company who promise to have a Steamer toutch at the Island what do you and Dr Gray think of any of the above localities for desirable plants I am better now than for a long time. As I start tomorrow for Washington will soon be in the extreme cold of winter, that I fear will throw me back. as Prof Baird is dead, who his successor is am not informed if a strainger he may not be interested in my line of collections, thus will loose the support Prof Baird gave.

Last spring sent you two small plants in bloom for identification under the name of Chia Grande you said they were to young and planted them you also said you planted some of the seed I sent you

have you been able to identify it
I allso sent you a specimen con-
sisting of a young plant - some seeds and
dried flowers these are used to make
cooling drinks in Guadalajara you
planted some of the seed you said
have you been able to determine
the species. The money you have for
me please forward to Dr. Vasey
I shall post this letter at the boundery
line so it wil reach you soon after
my arrival in Washington.

Yours very truly
Edward Palmer
Care of
Dr. George Vasey
Department of Agriculture Washington City
D C

Washington Feb 6

Dear Watson

In writing to you the other day for got to ask you to have 4,000 tickets printed for the plants. Vasey thought you could have them better and cheaper printed at Cambridge than they could be done hear you can take what tickets you desire. send the balence with the bill to me. that the price may

be returned to you
Yours very truly
Edward Palmer
To Prof Sereno Watson
Cambridge
Mass

Washington
Feb 2

My Dear Watson
I reached this City 12 days since but have been absent or your letter would have been answered before, The check for the Kew set was inclosed in your letter for which accep my thanks - Dr. Vasey received for me the money for all the other sets except that one sent to St. Petersburg have you herd anything about it.

Could you send me seven or eight copies of your paper containing my Guadalajarer plants. &c

So our friend Dr. Gray has departed All wil miss him but I fear you the most.

I should like you to name my plants if you can do so - I have numbered all the sheets instead of putting in strips of paper with numbers on I wil consult Dr. Vasey when the plants come which may be next week, regarding the best manner of putting up the set to be sent to you so as not to give you any more trouble than can be helped.

Can you tell anything about Parry

Yours truly
Edward Palmer

Washington March 29-1888

Dear Watson

I have been a long time getting the plants ready to send you - this long cold winter has kept me indoors so much and my health is so indifferent - Two boxes are sent you by express one containing bundles of plants the other packages of seed belonging to the plants also some wood and root specimens of especial interest - The Catalogue is in one of the boxes I would call your attention to a paper with the Catalogue headed memorandon to Catalogue this points out to you certain especial specimens of note for instance several bundles of Amaranthus unassorted - you wil there see my reasons for sending them. - Dr Vasey wrote to St Petersburg regarding the pay of last years set but yet no responce. Do you think St Petersburg - Switzerland - British museum and Kew wish

sets this year would you advise writeing to each of them regarding the matter Do you know of any one who may want a set, Is there any one in Vienna or Paris if written to might order a set.

The Ferns and grasses for your set wil be sent you as soon as they are named

The plants you wil find numbered on the sheets

So excessive was the hot winds of Guaymas last summer though the plants was kept in tight boxes made on purpose of thick timber many are quite brittle and the seed pods though tide with strings burst open or curled under the fastnings. I hope you wil find the plants satisfactory.

Yours truly
Edward Palmer.

P.S in the catalogue of plants from the Island of San Pedro Martin 418 you wil fin a curious Cereus (Photograph) the best material of it I could bring is sent you

Washington Ap 11- 1888

Dear Watson

Since I forwarded the plants to you have been sick and confined to the house. To day saw Dr. Vasey for a short time he reminded me that tickets for my plants had not been provided for and suggested to ask you to have 10,000 printed. The catalogues wil tel about how many species in each locality you can tell about how many tickets wil be necess-

any for each of the three localities. I shal make fourteen sets including your and Vaseys sets - Take out tickets for your set, the grasses wil be sent you soon.

The money has arrived from St Petersburg for last years plants but owing to want of funds they wil not be able to take a set this year. Sickness has put me behind but hope to commence tomorrow putting plants into sets, have found a person to help me so wil finish quickly. As I am advised to leave Washington for a dry mountainous country - To select a place of that kind containing a botany that wil pay to collect is what now demand my attention. What locality would you suggest.

In my previous letter to you did I ask your opinion about sending a set of plants to Switzerland, Kew and the British museum without writing to them previous

Is there any one in Paris or Austria that might take a set if written to

Yours truly

Edward Palmer

Care of Dr. George Vasey
Department Agriculture

Washington April 25 1888

Dear Watson

I am sorry to say there is no better specimen or a good seed pod. You have the best complete specimen I had of number 598

There may be a mistake in the set sent you. I find by the Catalogue there is two numbered 311 - The correct one is a Palm 311 The other should be 311½ with the following entery, found on an Island in the harbour of Guaymas and on ~~a~~ level moist places among the mountains - eaten as greens

When you have determined the plants please send list of names with the ~~Labels~~ Tickets.

I have been fortunate in having a competent assistant to put my plants into sets they are completed and ready for sale I am advised to leave this

city as soon as possible and go to a dry mountain country. I am now looking for that locality one that wil botanically pay if I can find it.

Am now some better

Yours truly

Edward Palmer

San Diego August 26

My Dear Watson

Yours of Aug 2 was forwarded to me from San Bernardino as I was going with a party on a trip to Catalina Island. so I wrote to Green on my return yesterday stating that in accordence with an agreement between myself and you and Dr Gray all the plants collected in Mexico by me should be determined at Cambridge and that I should expect that agreement to be complied with. this Green understood previously - ~~it is~~ possibly your informent is mistaken as to Greens naming some of the Guaymas plants (may be he has commented on some of the Guadelajara plants as I am so informed) I cannot think Green would have the audacity to name the Guaymas

plants after knowing my wish to the contrary. My health is some better. It is gratifying to know that the Guaymas plants yielded new and interesting specimens. Though to me a financial loss if mankind derive a benefit that's a compensation.

What do you think of Colima or San Blass Mexico for winter work have the plants of the former place been much gathered it is a little inland from the Gulf of California the map show mountains near it - Xantus was Consul there he gathered birds &c am not certain about plants - As I have not visited Guatemala it has occured to me it might be best to go to Colema or San Blass especially the the former place before going to Guatemala but am at a loss to decide which will be the most likely to pay financially or in new and desirable plants

Dr Vasey says next season he may have some work in California.

San Diego. Cal.

Yours truly
Edward Palmer

UNITED STATES

POSTAL CARD

ONE CENT

NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

SAN DIEGO
1888
3PM

Prof Sereno. Watson
Botanical Garden
Cambridge
Mass.

San Diego Cal. Oct 4

Dear Watson

Start to morrow for the mouth of the Colorado River to get some special plants for Vasey Yours

E. Palmer

San Diego Nov 11 - 1888

Dear Watson

There are many palm trees in the gardens here, in 1875 when I went first among the palm this section had not one in cultivation.

When looking over memoranda noticed that flowers of the Guadelupe palm was wanted, there is sent to your address to day by mail a package containing flowers of that palm taken from a plant raised from seed brought by me from the Island of Guadalupe 1875 the plant is now about 8 feet high to top of leaf about three feet of body with several bunches of seed in various stages of ripening they reach to the ground, there is one spike of flowers from which the specimens sent you was obtained if you desire more material of this palm let me know - it is fine for cultivation

There is two palms grown here which

was raised from seeds or plants procured from Lower California one with a blueish leaf which prove to be a very slow grower the other hear is large with great leaves with coarse spiney edges and along the leaf stalks is many patches of wooley substance but there is no filaments on the leaves like the desert palm which produce that very small black seed. As soon as vegetation is in good condition I can go to Lower California to get any material that is wanted to fully determine these palms — let me know what is wanted.

Am slowly mending — only two slight rains have fallen this winter its as fine as May. Did not succeed at the Colorado river owing to the sickness of the only man that could pilot me. But I return in a few days and go with an excursion party on a Steamer from Yuma to the interesting points about the head of the Gulf of California. this is better for me as there wil be less exposure and a journey by land of 70 to 80 miles in a team wil thus be obviated.

Since writing to Prof Green regarding the Guaymas plants he has not written he may be offended.

I fear it wil be so late in the winter that on my returning from Yuma it wil not pay to go to Colema untill next Rainey season. As Vasey may wish me to do some work for him latter part of winter and spring

I see Cleveland often he is in fair health Orcutt is not doing much he has made a trip into Lower California this summer have herd of no other — He has no money and is bound up with the publishing of three or four papers He is trying to establish an immence Museum in San Diego The other night he called a meeting of the friends of Science to convene at his office the notice did not reach me in time to be there but to day saw Cleveland he says himself and Orcutt were the only ones there — so the proposed museum on a scale greater than the

National Museum is a failure
Yours very truly
Edward Palmer

P.S. To Pringle back what results.

YUMA, A. T.

The great health resort of the United States. The only place where consumptive people get cured. The air is pure, dry, invigorating and health restoring; the winter is mild and temperate. No expense will be spared by the Proprietor to make this a first-class hotel. Rates reasonable. Special rates made by the month. All trains of the Southern Pacific Railroad stop here thirty minutes for meals.

Southern Pacific Hotel, J. S. Gillespie, PROPR.

~~Ginocchio & Houllier, Proprietors.~~

Yuma, A. T. Ap. 23 1889

Dear Watson

Yours of March 19th was handed to me by Friend Cleveland the day before I started for this place. I have been absend to Lagoon Head, Cedros. San Benito and Guadalupe Islands and on my return to San Diego had to hasten the drying the plants and shipped them to Vasey before Calling on Cleveland - Then I came hear to go to the head of the Gulf so as to get some special plants desired by Vasey

My health is not satisfactory

Suppose you received the Palm flowers sent You by mail sometime since

Thanks for the copies of your report on the Guaymas Plants as to no 179 of the Guaymas collection I remember it and am of the opinion that it bloom late in the winter I do not remember of any one that it would be of any use to

write too If I was there to take the person to the tree show him just what to cut off — when in bloom or in fruit fix the paper and pasteboards explain how to put in the pieces of plants then draw in place the necessary strings arrange the address put on the postage stamps. after this in due time you would get what you desire The Consul is one of the best of men but dont know plants but if any one would call on him and desired assistance he would do all in his power.

That Guaymas Palm bloom latter part of winter I think

I wil keep in mind your desires regarding the Palms

Should the oppertunity offer may go to Guaymas to visit localities near by then wil be in order the plants you desire.

I wil return to San Diego after finishing hear: please inform me where Pringle is working this year as I wish to select a field not visited

Yours truly Edward Palmer.

Guaymas Mexico Jan 11 - 1890
Dear Watson
Arrived hear two days since. To day send by mail a package of Cuttings with the ends covered with wax they are simply wrapped in paper to keep from drying, thought that better than rags it wil be about a week reaching you hope they wil grow. These Cuttings are your Portlandia Pterosperma. of my former Guaymas Collection I consider this plant worth cultivation so send you the cuttings to try.

Have visited the tree 179 of which you desire flowers - there is not yet even buds to be seen am informed it bloom in March if possible wil stay long enough to get the flowers - have found a few old fruit

Washingtonia Sonore - have not had time to visit it in the native canons but there are two trees in gardens they yet show no signs of blooming they may later

647 Cryptocarpus capitatus (is just showing buds

I am hear on Vaseys account to get winter material — An unusual amount of rain has fallen this winter followed by extreme cold + north wind drying up most of the scanty vegetation at this season. The length of my stay hear depends upon the time Dr. Vasey orders me to Arizona for special work.

Have selected several places to visit that could not be reached when hear before. but am not certain about being able to carry out my plans the cool winter braces me up — Am afraid as the heat increase my strength wil fail (only weigh 120)

Mr. Brandegee came on the Steamer from San Francisco as far as Magdelena Bay he wil collect from that place towards the Gulf ending at La Paz

Hope you are in good health

Yours truly

Edward Palmer

Care of United States Consul

Guaymas

Sonora

Mexico

The package sent is directed to yourself or the Director of the Botanical Garden Cambridge

Guaymas Feb 8-1890

Dear Watson

I returned to this place to day from La Paz not much to be had at that place in winter but ~~it is~~ some of it is different from the summer vegetation found some good things, a palm I take to be the Guaymas one (you say new) gathered some good flowering specimens with leaves and two young plants that show character - shall send the collection to Vasey as soon as Catalogued wil ask him to send you some Palm flowering specimens &c

I send by mail in a box the old fruit of 179 that you desire wil look out for the flowers

Send more cutting like those previously sent but wrapped in the moss and old silk you sent hope they wil grow

Am now arranging to visit some Islands in the Gulf for I fear that as the summer heat of this hot hole come

along wil have to quit – for already begin to feel its effects – for my strength is not what it should be to do this work – so wil try and finish now what is to be done hear ~~now~~.

In the package of cuttings sent you wil find some small plants from La Paz found under trees in the sand not far from the sea beach. I wrapped the cuttings just as taken off and in the damp moss have some oil silk left for future use fearing the other cuttings might not grow send these.

Hope Pringle met with good success last Year.

Hope you are in good health

Yours very truly

Edward Palmer

842
921
79

2711
3157
446

$\frac{4}{44} = \frac{2}{21}$

$\frac{89}{542}$

.164

1567

3440
2792
3252
2240

1

Guaymas Mexico April 20, 1890

Dear Watson

Since You herd from me last I have made a collection At Santa Rosalea Lower California And at Alamos Sonora Mexico Am of the Opinion there are several new plants - I send a package by mail of plant that grow under shelving rocks up in the mountains of Alamos directed to You - Tomorrow start for the Huas-huca mountains Arizona. Have arranged with a man to have some seeds dried for me of 179 Guaymas collection of 1887 - did my former letter notify You of collecting flowering ~~flow-ering~~ specimens of the same

As I am to day not sure of my future address, wil You address me a note in care of Dr. Vasey informing me if Pringle wil go this season to Colima did the cuttings grow which was sent last.

I dread the intense summer heat which wil soon be on hand – now that I am not strong the heat which is excessive in this section and Arizona wilt me quickly thus I am trying to get all done possible before the heat is excessive

Yours very truly
Edward Palmer

Fort Huachuca May 13-1890

Dear Watson

It is gratifying to know those cuttings are growing and the Palm flowers help to make a good species of the new Washingtonia — of the (179) before leaving Guaymas arranged with a gentleman who has a large tree of it in his garden to dry me some fruit when ripe.

Wil stay hear a few days for medical treatment - my movements wil be governed by the result It had been my desire to finish a little work in Arizona then complete some in Lower California and cross over to Colema as now you seem to think it doubtful about Pringle going there but my ability to do & remain to be seen and is all that wil prevent this being done. Yours truly

Edward Palmer.

Washington June 15

Dear Watson

The other day Mr. Rose sent you some seeds - one package was omitted - this by his request is inclosed Portulaca pilosa L. Perennial. showey for hanging baskets grows among shaded rocks. I suppose Mr. Rose has written you regarding my last collection, he has commenced to determine them and would like to have me return to Mexico Dr. Vasey is willing as soon as he returns wil see if the Secretary can be persuaded to send me out again. Am not strong only with the greatest care can work, wil try one more trip then give up, that stronger ones may try their luck.

Hope some day to visit Cambridge to hunt up information among the museums and Libraries allso to see friends of past days. Whare does Pringle go this summer

Wil you sugest a field in mexico likely to yield good results. How would the Isthmus of Darien do. but suppose mountains preferable to plains at least that is my experience Am informed that Darien is mountanious with plains

Yours very truly
Edward Palmer.
care of Dr George Vasey

Palmer

Washington July 3
Dear Watson

Dr. Vasey returned two days since. he informed me that you had asked for information about a new corn The year that I spent at Guadalajara collected three new kinds of corn which was sent to Dr. Sturtevant at Geneva N. Y. discriptions was published in his Report of the Experimental Station - If you wish to write Dr. L. Sturtevant about these new corns address him at South Framingham Mass.

Much obliged for the compliments in your letter, wish it was possible to stay at home for

I am not in condition to work satisfactorily to myself

Mr. Rose says if you have franks you may send those two bundles of my Arizona plants 1876 to the Department

Wil take your advice not go to the Isthmus. Soon Dr Vasey wil see the secretary about my returning to Mexico to the mountain region of the State of Sinaloa Am not aware of any collecting having been done in that state

Hoping you are good health
Remain Yours truly
Edward Palmer

Guaymas, Mexico Dec 1,, 1891
Prof Sereno Watson
Dear Sir

I have spent some time in the State of Sinaloa collected about 250 species during a very dry season came to this place to ship them to Washington. Some good things are among them, you wil remember of my sending you leaves of a palm from Batapilas without fruit, I have found the same palm this summer with fruit its about 8 foot high small top good size fruit good for cultivation, before this reaches you I wil leave for Tepic to spend the winter going by Steamer to San Blass then by Stage to Tepic it

wil be a new field for me and I anticipate a good haul after which I go to Colema again to visit the Mountains during the next rainey season. This is written so you can inform Pringle of my intentions as it would not pay for us to work in the sam pl-aces, though it would give me much pleasure to meet him we have never met. My health is anything but good in all proba-bility wil not make many more collections.

Hoping you are in good health

Remain Yours Sincerely
Edward Palmer.

your herbarium the fern
names will be sent as soon
as received from Eaton
Dr Vasey has labeled your grasses

Yours truly

E. Palmer

Prof Watson would
You have 12 000 tickets
printed for me after you have
looked over the localities of the
Catalogues you can then have
a ticket printed as in your judge-
ment is best suited

Yours
E. Palmer

P.S. Has any one at Cambridge or else whare with in a few years published a book relating to food plants or any thing relating to food — what book was it Chickering published

Washington Feb 12

Dear Watson

Am buisy cleaning and mending potts Baird is satisfied with the collection made And desires to continue me in the field provided he gets his appropriation will Return to finish in Tennessee and Arkansaw may leave in March if no frost

Many thanks for the Check As Hooker had ~~in~~ the fixing the price for his set he can not complain so never mind And if your hear

of any dissatisfaction from those
who have purchased the
other sets let me know
what I ought to refund to
them and it shall be done
As to the Remaining three
sets it would be a great
favour if you would dis-
pose of them in any manner
and at prices you think
fair and just— because
I cannot stop to attend to
it as Prof Baird wants
mee off at the earliest
possible day
I went over to Smiths
Garden and saw the Agaves
you asked about in your
letter. It was found
by me about 15 miles from
Monterey Mexico growing
on the face of a mount-
ain. Climbed up pulled
out the plants letting them
slide down. they grew
a few hundred yards
from the Agave Victoria
Regia which grew in a
gravel bank— There was
neither flowers nor pods
on this smooth leaved Agave
when I collected it— plants
was sent to Engelman I
told him I thought it was new
he wrote you had it among
your old Agaves. he is
certainly mistaken

It is a good acquisition
for cultivation it is
called by the mexican
people Amole de Castea
The females that came from
Spain to mexico among the
first setlers bruised the
root of this plant and ~~and~~
rubed their cheeks with it
causeing a surface irretation
and a delacate redness a
fashionable mark of beauty
Hope you grew the seed of that
new plant with blue flowers
some what like forget me not
Yours Edward Palmer
National Museum
Washington

Washington Feb 14 - 1888
Dear Watson

While waiting the arivel of my boxes have been straigtning up what was left undone last year
Please find inclosed a paper marked K K South Western Chihuahua collection if you can find the name mark it on the paper and return

Guadilajara Collection. Can you give me any name for 409 common name Jamaica do not find it in your list. You wrote last year you had planted the seeds (sent dried flowers sold in market) to make cooling drinks these flowers & seeds with young plants was all to be had at Tiquela - Is said to be a Pacific coast plant. You can refer to my rough note you have them 702 called Chia Grande from Pacific coast the seeds sold in the markets Guadalajara + to form cooling drinks - seeds only sent under no 702 but you planted them - they were black - at the same time two plants in bloom raised hear was sent you so you could plant them can you give any name. Under letters J

And J. wil be found so marked two dried fruit with peice of plant — these fruit are sold in great numbers in the markets of Guadalajara where these fruit was obtained + I did not find the plant either in fruit or bloom — the flowers are dried and sold in the market for medicine are large of white color. The plant sent was found growing on trees and up walls could not find out the coloured fruit it bore was told the plant of boath fruits are alike growing and clinging to and over garden walls, trees +
I. is yellow outside and white insides with numerous black seeds
J. has crimson fruit ouside majenta inside the pulp of thes fruit resemble rasberry Jam
Can you tell me the name
Am confined to the house with my old enemy (Fever and Ague) Just herd that my boxes arrived yesturday

Yours truly
Edward Palmer

And 7. wil be found so marked two
dried fruit with peice of plant - these
fruit are sold in great numbers in the markets
of Guadalajara + where these fruit was obtained I did not find the plant either
in fruit or bloom - the flowers are dried and
sold in the market for medicine are
large of white color. The plant sent was found
growing on trees and up walls could not
find out the coloured fruit it bore
was told the plant of boath fruits are alike
growing and clinging to and over garden walls + trees
7. is yellow out side and white insides with numer-
ous black seeds
7. has crimson fruit ouside majenta inside
the pulp of thes fruit resemble rasberry Jam
Can you tell me the name
Am confined to the house with my old
enemy (Fever and Ague) Just herd that
my boxes arrived yesterday

Yours truly
Edward Palmer

San Bernardino
Feb. 2nd 1876

Prof Watson
My Dear Sir
Send two pictures
by mail for your Herbarium
one Agave Shawei a branch in
bloom — the other is the ancient
Grape vine of the old Mission
of Santa Barbara — which is
now dead and to be sent to the
Centennial.
I have failed to procure any
map or further information
regarding Guadalupe Island
Will it be possible to procure
twenty copies of your article
upon the Guadalupe Island
plants as I wish to distribute
some among the owners of

the Island who are much pleased with the idea of owning a valuable goat pasture that furnish new matter for Scientific investigation.

Received your last letter take your time with the California plants.

Palm 64 Tantillas has large seeds is no doubt of the same genius with the Guadalupe Palm — 65 with black seed you say the leaf is "like that we have growing here from Southern California". your B.G. plants was grown from seeds collected by me some few years since but must be different from 65 as it has edable fruit is a tall naked body tree while the S. Cal one is a dwarfer form fruit very small some seed is sent to compare with 65 I shall visit the palm section near this place soon to get section of wood for a g Dep then the Dr. Parry & myself will see what further material can be obtained —

The young fruit is the same as 64

The fruit has not arrived from Guadalupe Island as no boat will go over before spring have arranged for a quantity of fruit

Parry and myself are studying up plans for future work —

very truly
Edward Palmer

Regards to all the gentlemen

The B.G. palms referred to are since dead —
S.W. May '90

San Bernardino
Feb 26/76

My Dear Watson

As I expect to start for Arizona in two days and as some other facts have come to hand about the Desert Palm thought it best to forward them and explain all I know.

Some five years since while traveling by stage from Arizona to this place the stage stoped at a place called dos Palls or the two palms for dinner there was the two trees from which the seeds was gathered that furnished the plants in your green house those in Washington And I think some of the seeds was sent to Kew Garden.

a base of [illegible] over 40 inches none of the old leaves was shed the stem was entirely hid by them — the trees seem to acquire their size rapidly at base while the rest of the tree that is the young one) gradually taper upwards as they become of age are more evenly sized In the group visited 5 young one of nearly the same age &c was seen and 6 full grown trees some 35 feet high these averaged 75 inches in circumference at base but every one was shorn of their leaves by fire leaving black naked stems — it is seldom these trees are found in exposed localities prefering the uper end and sheltered portions of Cañons among rocks growing in secluded Canons may have accounted for their being so long unknown. early

some seeds was sent to J. E. Johnson of St George Southern Utah they grew nicely and stand out of doors in that climate. As I shall pass by the trees from which the seeds was collected on my way out to Arizona will try and get blooms and full notes of the same especially to see if its leaf stem is with out spines. The Indians of this section use quantities of this fruit ground into meal and eaten as our people do rasped Co coanut during the recent visit to an Indian Camp procured a bag of seeds which is sent by mail to Mr. Sargents address please explain to him the kind of palm Have also sent you a small box of the seeds two of which had sprouted several have the epidermas on

on my way out will find out if the outer pulp is edible - and black when ripe like 65

During the recent trip all the Palms seen had serated petioles Procured the oldest leaf green it must be several years old and exhibit the fact that the serations change some by age as will be seen by a young leaf which is sent a peice of the wood with the above leaves is inclosed in a box of things to the Smithsonian - have requested they be forwarded to you on arrival in Washington - The tree from which the leaves was taken is perhaps 17 years old - Circumference at base 5-6 inches Length of petiole 56 inches length of leaf 50 inches length of tree

travelers noticing them at a few spots noted as camping places named them Lone Palm Dos Palms Tress Palms only these trees seen and at camping places left many to suppose that the Priest had planted the seeds while crossing the deserts to form missions among Indians — this is not so as many groups have been found but the rough approach to their hidden place of growth prevent many from visiting them

my 65 and the Desert Palm may be alike this you will be able to determine before long as many of the trees will be visited soon by me or Parry there are several young trees grown in gardens of this place all with serated Petioles Near dos Palms is a group of many palms which I will try and visit in June on my way back from Arizona and obser-

if ~~it~~ the serrated petiole is general or the reversed some times ~~the case~~

Possibly next June may go again to Lower California if so will clear up the palm question in that section

In a previous letter you spoke of finding a seed branch sewed up in cloaths which you thought at first was a palm it was a Dasylirion the leaves and flower if I am not mistaken Mr. Cleveland previously sent

Have written to other Parties to have them furnish you with information regarding Palms

Regards to all

Yours truly

Edward Palmer

Ehrenberg Arizona
March 4th. 1876

Dear Prof Watson

Passing dos Palms
noticed distinctly every leaf had
spines on the leaf stem the
older ones had the largest you
say your plant in the green
house raised from seed taken
from these trees has no spines
on there was no signs of bloom
nor could I learn from those
living there the time it did
bloom the trees are some 20
feet high and all the stems are
covered with old or new leaves
no signs of naked stem if that
condition is evidence of age then
these prominent land marks
are not old, Assertained that

the pulp of the seed was not only black but very sweet and good to eat. I agree with you this species seem like the small black seeded one of Lower California on my way back will try and examine a grove of Palms for blooms and to see at what age young plants commence to show spines. last year the seeds from the celebrated dos palms was gathered and sold to a nurseryman of San Francisco for 90 dollers coin.

Ehrenberg is on the Colorado river as but little rain has fallen this winter there is yet no spring plants. a more dreary desolate spot was never seen by human eyes- All over Arizon spring is backward shall remain hear for a short time to ascertain from parties the condition of vegetation at different places so as to be able to move to the best advantage. It will not do to waste time hear for the cheapest board and room to be had is two dollars per day in coin. all over the Territory of Arizona its the same price

Communications had better be sent to San Bernardino and Parry will forward them to suit my movements.

Very truly

Regards to all

Yours
Edward Palmer